



The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
Office of Emergency Medical Services
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ADVISORY 20-12-01

TO: Massachusetts Licensed Ambulance Service; Ambulance Manufacturers,
Dealers and Purchasers of Ambulance Vehicles Used in Massachusetts
FROM: W. Scott Cluett, III, NRP, Director
DATE: December 24, 2020
RE: Proof of Certification and Testing Data to Obtain Massachusetts Ambulance Certification

This Advisory is to clarify for ambulance services the documentation required in order to obtain Massachusetts certification for new, remounted or replacement Class I and II ambulances.

In accordance with 105 CMR 170.455(A) and 170.460(A) of the EMS System regulations, and Administrative Requirement (AR) 2-405, in order to qualify for MA certification, all ambulances must comply with KKK-A-1822-F, as updated, and be certified by the final stage ambulance manufacturer (FSAM), as described in paragraph 4.3.2 through 4.4.1 of these specifications. Such certification requires evidence of confirmed verification of inspections and tests, which include general specifications, exterior and interior pictures, and evidence of, Ambulance Manufacturers' Division (AMD) standards compliance, dimensional drawings/data, and all other information needed to verify completed testing compliance of the vehicle or its qualified prototype with exact engine and transmission types.

The testing requirements apply to remounts as well, except that the tests below are not required:

- A. Tests that are considered "carry-over" from the original ambulance's MA certification, and do not need to be repeated, as long as the service has documentation of these tests results for the original vehicle:
 - a. AMD (Ambulance Manufacturers Division) 006 – Patient Compartment Sound Level Test
 - b. AMD 007 – Patient Compartment Carbon Monoxide Level Test
 - c. AMD 019 – Measuring Guidelines: Cabinets and Compartments
 - d. AMD 020 – Floor Distributed Load Test
 - e. AMD 023 – Siren Performance Test
 - f. AMD 026 – Emergency Lighting System Configuration
- B. Tests that are considered "structural" and cannot be performed without causing permanent damage to the vehicle:
 - a. AMD 001/SAE (Society of Automotive Engineering) J3057 – Roof and Side Crush/Dynamic Impact of Patient Module
 - b. AMD 002/FMVSS (Federal Motor Vehicle Safety Standards) 206 – Door Latch and Hinge Testing
 - c. AMD 003/SAE J3043 – Oxygen Tank Retention

- d. AMD 004/SAE J3027/SAE J3102 – Litter Retention
- e. AMD 008 – Patient Compartment Grab Rail Static Load Test (2 locations)
- f. SAE J3026 – Patient Compartment Seating Integrity and Occupant Restraint
- g. SAE J3058 – Interior Storage Compartment Integrity
- h. SAE J3059 – Patient Compartment Seated Occupant Excursion Zone Evaluation
- i. FMVSS 207/210 – Seating Systems and Seat Belt Assembly Anchorages

Ambulance services must provide the certification and testing evidence documents to the Massachusetts Department of Public Health's Office of Emergency Medical Services (Department) in advance of the vehicle inspection; at the time of the vehicle inspection, or upon request. The documents will remain on file at the Department for use and review. Failure to provide the required certification and testing documents in a timely manner shall constitute grounds for denial of certification.

The Department strongly recommends that services include a term requiring an OEMS predelivery inspection in their contract with any FSAM, whenever ordering a new or remounted ambulance.

Ambulance services or their vehicle's FSAM or dealers may forward their vehicle certification and testing evidence documents, and direct any inquiries regarding these documents to, OEMS, Ambulance Regulation Program, at the address above, or by email, to oems.ambulance@mass.gov.